

REQUEST AND RECOMMENDATION

ONE YEAR OPTION

900+ Clock Hour Programs - Carpentry

Background:

To provide another option for adult students to apply prior learning toward a degree, Ohio legislators established what has come to be known as the One-Year-Option through Section 363.120 House Bill 59 of the 130th General Assembly. The Chancellor of the Ohio Department of Higher Education, in consultation with the Superintendent of Public Instruction and the Governor's Office of Workforce Transformation, was tasked to establish a One-Year Option credit articulation system in which graduates of Ohio's adult career-technical institutions who complete a 900-hour program of study AND obtain an industry-recognized credential approved by the Chancellor will be able to receive 30 technical semester credit hours toward a technical degree upon enrollment in a public institution of higher education. The Chancellor was also to recommend a process to award proportional semester credit hours for adult career-technical institution students who complete a program of study between 600 and 899 hours AND obtain an industry-recognized credential approved by the Chancellor. The Chancellor convened a broad group of stakeholders to develop a system of articulation for the One Year Option that was presented in a report to the legislature called, *"Getting to 30: Establishing a One Year Option Credit Articulation System for Ohio."*

In order to implement the system of articulation developed with the stakeholders as well as address accreditation requirements for degree granting institutions, the Chancellor convened Credit Affirmation Teams (CATs) to conduct a peer review of programs and certifications for affirmation for a block of 30 semester hours of technical credit. The CATs were comprised of faculty and administrators from Ohio Technical Centers (OTCs) and an equal number from public degree granting colleges and universities in Ohio. The CATs were organized by four discipline clusters: Health and Allied Health, Building and Industrial Technology, Business and Information Technology, and Services. They were charged with reviewing the certifications and, if necessary, program content, to affirm that students completing the selected program at an Ohio Technical Center and earned approved certifications had demonstrated competencies equivalent to 30 semester hours of technical credit. This technical credit would then be granted, as a block, upon enrollment in a degree granting institution. Additional subject matter experts were consulted when core team members did not have sufficient content knowledge of the program being reviewed.

Recommendation

As detailed in the attached template, the Building and Industrial Technology Credit Affirmation Team recommends that students will be eligible for a block of 30 semester hours of technical credit towards an *Associate of Technical Studies in Building and Industrial Technology* when:

- the student has successfully completed a 900+ clock hour program in Carpentry at an Ohio Technical Center.

And currently holds **ALL** of the following credentials:

1. National Center for Construction Education (NCCER) Core
2. National Center for Construction Education (NCCER) Carpentry Level 1
3. National Center for Construction Education (NCCER) Carpentry Level 2
4. National Center for Construction Education (NCCER) Carpentry Level 3
5. Occupational Safety and Health Administration (OSHA) 10 – Construction

Please note these certifications must be current and valid. Student must have completed the Ohio Technical Center program within 5 years.

End of Comment Period: July 17, 2015 at 2:45 pm
No comments received, recommend approval

RECOMMENDATION

The Vice Chancellor of Academic Affairs has verified that this pathway has met the standards and requirements of the Ohio Board of Regents.

Stephanie Davidson

Stephanie Davidson, Vice Chancellor of Academic Affairs

7/22/15

Date

APPROVAL

John Carey

John Carey, Chancellor

7/30/15

Date

One-Year Option
Certification Affirmation Template

The Program Affirmation is designed to provide a common matrix for a peer review process acceptable to the Higher Learning Commission to soundly affirm award 30 semester hours of technical credit for Ohio Technical Center graduates who are eligible for the One Year Option. The template should be completed for every program/subject and signed by the co-chairs of each of the four-cluster program areas for every Industry-recognized credential and program reviewed.

Please note: All Ohio Technical Centers must be accredited by one of the following: [Council on Occupational Education \(COE\)](#) and/or [Accrediting Commission of Career Schools and Colleges \(ACCSC\)](#).

Program Name: Carpentry/Carpenter	Cluster <input type="checkbox"/> Business & Information Technologies <input type="checkbox"/> Health/Allied Health <input checked="" type="checkbox"/> Industrial Trades <input type="checkbox"/> Service Industries & Agriculture	
CIP Code: 46.0201		
CIP Code Program Definition:		
A program that prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.		
STEP ONE: CREDENTIAL REVIEW		
	Details/Explanation	Comments
Primary Industry Credential (if there are competing certifications complete page multiple times)	Name: The National Center for Construction Education and Research (NCCER) Certifications Type: <input type="checkbox"/> License <input type="checkbox"/> Registry <input checked="" type="checkbox"/> Certification	Certifications: <ul style="list-style-type: none"> NCCER Core NCCER Carpentry Level 1 NCCER Carpentry Level 2 NCCER Carpentry Level 3
Program requirements by credentialing body.	The program must be a NCCER Accredited Training Sponsor (ATS) and a NCCER Accredited Assessment Center. "Entities that have been approved by NCCER as having the resources to effectively conduct a quality training program that utilizes NCCER curriculum are designated as an ATS. Entities that have been approved by NCCER as having the resources to effectively conduct a quality assessment program that utilizes the National Craft Assessment and Certification Program (NCACP) assessments and performance verifications are designated as an NCCER Accredited Assessment Center. NCCER's accreditation	About the Exams: NCCER offers a complete series of entry- and journey-level written assessments as part of its National Craft Assessment and Certification Program (NCACP). These assessments evaluate the knowledge of an individual in a specific craft area and provide a prescription for upgrade training when needed. All assessments are based upon the NCCER Curriculum and have been developed in conjunction with Subject Matter Experts from the industry and

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	<p>process assures that students and craft professionals receive quality training based on uniform standards and criteria. Training Sponsors and Assessment Centers are subject to audit on a three year cycle.”</p> <p>For more information, please see: http://www.nccer.org/assessments-performance-verifications?mID=616</p>	<p>Prov™, NCCER’s test development partner. Module assessments consist of knowledge verification via the successful completion of a written assessment. In addition to the knowledge verification, some modules also require successful completion of a practical performance in the laboratory setting.</p> <p>Renewal: NCCER does not have a renewal option.</p> <p>Exam Integrity: NCCER, through their testing partner Prov, administers training module exams through a secure web-based platform, the Testing Management System. Module tests are created, launched, scored and electronically stored. Instructors and proctors are certified to NCCER requirements.</p>
Hour Requirements (includes any instructional, lab/practice hours, or internship hours).	<p>NCCER Core required instructional hours: 72.5 NCCER Carpentry 1 required instructional hours: 152.5 NCCER Carpentry 2 required instructional hours: 165 NCCER Carpentry 3 required instructional hours: 172.50</p> <p>All competencies must be covered. Remaining 337.5 hours may vary per program based on local advisory business/industry committees</p>	562.5 clock hours of instruction to complete NCCER Curriculum requirements.
Competencies demonstrated by credential attainment.	<p>NCCER Core Competencies:</p> <ul style="list-style-type: none"> • Module 00101-09: Basic Safety • Module 00102-09: Introduction to Construction Math • Module 00103-09: Introduction to Hand Tools • Module 00104-09: Introduction to Power Tools • Module 00105-09: Introduction to Construction Drawings • Module 00106-09: Basic Rigging (Elective) • Module 00107-09: Basic Communication Skills • Module 00108-09: Basic Employability Skills • Module 00109-09: Introduction to Materials Handling <p>NCCER Carpentry Level 1 Competencies</p>	<p>Each equipment specific module typically contains operation, controls, maintenance, and safety guidelines.</p> <p>NCCER Core http://www.nccer.org/uploads/fileLibrary/core_5e_courseplanning.pdf</p> <p>NCCER Carpentry Level 1 http://www.nccer.org/uploads/fileLibrary/Carpentry_L1_2013_CEP.pdf</p>

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- Module 27101-06: Orientation to the Trade
- Module 27102-06: Building Materials, Fasteners, and Adhesives
- Module 27103-06: Hand and Power Tools
- Module 27104-06: Reading Plans and Elevations
- Module 27105-06: Floor Systems
- Module 27106-06: Wall and Ceiling Framing
- Module 27107-06: Roof Framing
- Module 27108-06: Introduction to Concrete and Reinforcing Materials
- Module 27109-06: Windows and Exterior Doors
- Module 27110-06: Basic Stair Layout

NCCER Carpentry Level 2 Competencies

- Module 27201-07: Commercial Drawings (Elective for Residential Pathway)
- Module 27202-07: Roofing Applications: Residential (Elective for Commercial Pathway)
- Module 27203-07: Thermal and Moisture Protection
- Module 27204-07: Exterior Finishing: Residential (Elective for Commercial Pathway)
- Module 27205-07: Cold-Formed Steel Framing
- Module 27206-07: Drywall Installation
- Module 27207-07: Drywall Finishing
- Module 27208-07: Doors and Door Hardware
- Module 27209-07: Suspended Ceiling: Commercial (Elective for Residential Pathway)
- Module 27210-07: Window, Door, Floor, and Ceiling Trim
- Module 27211-07: Cabinet Installation
- Module 27212-07: Cabinet Fabrication (Elective)

NCCER Carpentry Level 3 Competencies

- Module 27301-07: Rigging Equipment
- Module 27302-07: Rigging Practices
- Module 27303-07: Properties of Concrete
- Module 27304-07: Reinforcing Concrete

NCCER Carpentry Level 2

http://www.nccer.org/uploads/fileLibrary/Carpentry_L2_CEPs.pdf

NCCER Carpentry Level 3

http://www.nccer.org/uploads/fileLibrary/Carpentry_L3_CEPs.pdf

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- Module 27305-07: Handling and Placing Concrete
- Module 27306-07: Trenching and Excavating
- Module 27307-07: Foundations and Slab-on-Grade
- Module 27308-07: Vertical Formwork
- Module 27309-07: Horizontal Framework
- Module 27310-07: Tilt-Up Wall Panels

Rationale:

The Trades and Industry Credit Affirmation Team (CAT) utilized the following process to complete the assessment regarding the number of semester hours that would be awarded at the college level as block credit based on the industry credentials plus 900-clock hours earned at an Ohio Technical Center (OTC).

- Research the competencies tested by the industry credential(s). The Trades and Industry CAT reviewed information about the industry credential(s) to determine the competencies signaled by earning the credential(s).
- Complete a nationwide internet search to review how other accredited colleges and universities are applying credit to NCCER Core and Carpentry certifications as a point of comparison. Pima Community College awards 34.75 college credits towards an Associate of Applied Science degree in Business and Industry Technology to students of NCCER's accredited sponsors who successfully complete NCCER Core and Carpentry Levels 1-3 standardized craft training modules and the Pima-approved challenge exam for those modules.
- Review the value of local program advisory committee recommendations to meet the local industry needs. The Team concurred that there was value in having lab/practical, internships and/or externships as part of the program to meet local industry/business needs.
- Review OSHA 10-Hour Hazard Recognition Training for Construction. OSHA 10 includes content essential to general-related work such as fall protection, personal protective equipment, fire prevention and safety, OSHA inspection procedures and more.

The Trades and Industry CAT confirms:

- The certifications exams are valid, reliable and peer-reviewed on a regular basis to ensure the content accurately measures intended competencies.
- The competencies measured by the NCCER Core, Carpentry Levels 1-3 and OSHA 10 Construction certifications are developed by industry and reflect industry standards.

The Trades and Industry CAT also considered competencies signaled by lab and practical learning experiences. As part of the program offered by OTCs, student will participate in lab/practical experience as recommended by the local program advisory committee to meet local business and industry needs. The lab/practical experiences will reinforce the instructional competencies through hands-on learning.

Upon successful completion of the 900+ hour program in the field of plumbing at an Ohio Technical Center and

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attainment of the following certifications:

- NCCER Core
- NCCER Carpentry Level 1
- NCCER Carpentry Level 2
- NCCER Carpentry Level 3
- OSHA 10 Construction

A student shall be awarded 30 technical semester hours towards completion of an Association of Technical Studies at a public degree granting college or university.

ONLY IF NECESSARY TO AFFIRM 30 CREDITS----STEP TWO: PROGRAM-RELATED COMPETENCIES OBTAINED OUTSIDE OF PRIMARY CREDENTIAL

	Details/Explanation	Comments
Additional related complementary credential(s) or badge(s) (e.g. OSHA 10, CPR).	OSHA 10 Construction	
Competencies demonstrated by additional credential attainment.	<p>OSHA 10 – Construction</p> <p>Mandatory - 7 hours of training</p> <ul style="list-style-type: none"> • Introduction to OSHA • Focus Four Hazards (Falls, Electrocution, Struck By, and Caught-in or Between. • Personal Protective and Lifesaving Equipment • Health Hazards in Construction <p>Elective - 2 hours of Training</p> <p>Must present at least two hours of training on the following topics. At least two topics must be presented. The minimum length of any topic is one-half hour.</p> <ul style="list-style-type: none"> • Cranes, Derricks, Hoists, Elevators, & Conveyors • Excavations • Materials Handling, Storage, Use and Disposal • Scaffolds • Stairways and Ladders • Tools- Hand and Power 	<p>Must be taught by a Certified OSHA Outreach Trainer.</p> <p>https://www.osha.gov/dte/outreach/program_requirements.pdf</p> <p>OSHA safety training compliance standards are for the jobsite and individuals receive a wallet card and certificate. OSHA 10 can only be taught by an OSHA Outreach Trainer in good standing, who has been approved by OSHA standards and has completed OSHA Train-the Train course work.</p>

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Certification Affirmation Template

	Optional - 1 hour of Training.																									
	Teach other general industry hazards or policies and/or expand on the mandatory or elective topics. The minimum length of any topic is one-half hour.																									
Description of additional program elements beyond primary credential.																										
Program related competencies/learning outcomes outside of credential(s). Include how competencies are demonstrated.																										
Related Programs as of Fall 2015:	Ohio Technical Center Miami Valley Career Technical Center	Program Name Carpentry																								
		Clock Hours 900																								
Committee Members and Subject Matter Experts:	<table border="1"> <thead> <tr> <th>Name</th><th>Role</th><th>Institution</th></tr> </thead> <tbody> <tr> <td>Barbara Wagner</td><td>Co-Chair</td><td>Upper Valley Career Center</td></tr> <tr> <td>Kelly Zelesnik</td><td>Co-Chair</td><td>Lorain County Community College</td></tr> <tr> <td>Jon Buttelwerth</td><td>Member</td><td>Cincinnati State Technical and Community College</td></tr> <tr> <td>Lorraine Kapka</td><td>Member</td><td>Sinclair Community College</td></tr> <tr> <td>Mike Sizemore</td><td>Member</td><td>Miami Valley Career Technical Center</td></tr> <tr> <td>Tim Conley</td><td>Member</td><td>Pickaway Ross Career and Technology Center</td></tr> <tr> <td>Jeffrey Jones</td><td>Member</td><td>Ashland County West Holmes Career Center</td></tr> </tbody> </table>	Name	Role	Institution	Barbara Wagner	Co-Chair	Upper Valley Career Center	Kelly Zelesnik	Co-Chair	Lorain County Community College	Jon Buttelwerth	Member	Cincinnati State Technical and Community College	Lorraine Kapka	Member	Sinclair Community College	Mike Sizemore	Member	Miami Valley Career Technical Center	Tim Conley	Member	Pickaway Ross Career and Technology Center	Jeffrey Jones	Member	Ashland County West Holmes Career Center	
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Other Parameters of Competency.																										
OTHER COMMENTS.																										
AFFIRMED NUMBER OF TECHNICAL BLOCK CREDITS	30 semester hours	LENGTH OF TIME CREDENTIAL CAN BE USED FOR ONE-YEAR OPTION: Must have completed a 900+ hour Carpentry program at an Ohio Technical Center and hold all five of the following certifications:																								

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6. NCCER Core
7. NCCER Carpentry Level 1
8. NCCER Carpentry Level 2
9. NCCER Carpentry Level 3
10. OSHA 10 Construction

The certifications must be current and valid. Must have been completed the Ohio Technical Center program within 5 years.

Co-chair signatures:



Dr. Barbara G. A. Wagner, Adult Division Director
Upper Valley Career Center – Ohio Technical Center



Kelly A. Zelesnik, Dean of Engineering Technologies
Lorain County Community College

Date: 6/8/2015